DoD And Services Requirements Specific To Electrical Safety In Design For Equipment

Document Title	Purpose
UFC 3-560-01, *Electrical Safety O&M*, 1 May 2012: *http://www.wbdg.org/ccb/DOD/UFC/ufc_3_560_01.pdf*	Safety requirements for electrical workers working on electrical equipment or facilities.
UFC 3-520-05, *Stationery Battery Areas*, 14 April, 2008: http://www.wbdg.org/ccb/DOD/UFC/ufc_3_520_05.pdf	Design guidance for the design of stationary battery installations.
MIL-HDBK-454B, 15 April 2007, Department of Defense Handbook, *General Guidelines for Electronic Equipment*, http://www.everyspec.com/MIL-HDBK/MIL-HDBK-0300-0499/MIL-HDBK-454B_9167/	Technical baseline for the design and construction of electronic equipment for the Department of Defense.
MIL-STD-1285 with Change 1, 10 November 2012, *Marking of Electrical and Electronic Parts* http://www.dscc.dla.mil/Downloads/MilSpec/Docs/MIL-STD-1285/std1285.pdf	Uniform marking requirements for electrical and electronic parts.
USACE *Design Manual*, March 2008, http://www.hnc.usace.army.mil/Portals/65/docs/Directorates/ED/DesingManual/Locked%20Mar%203%202008%20Design%20Manual.pdf	Design requirements for facility designs, specifications, design analysis, cost estimates, systems engineering plans and associated standards for projects executed by the Army Engineering and Support Center
Army TB 385-4, *Safety Requirements for Maintenance of Electrical and Electronic Equipment*, 1 July 2008	Safety precautions for all personnel - military, civilian, and contractor - who maintain electrical and electronic equipment in Army facilities. It specifically excludes premises wiring and permanently installed wiring as part of permanent structures. It excludes power distribution wiring provided by a utility to the premises.
MIL-STD-108, *Basic Requirements for Enclosures for Electrical and Electronic Equipment* *http://www.wbdg.org/ccb/FEDMIL/std108e.pdf*	Establishes definitions and basic requirements for enclosures for environmental protection of electrical and electronic equipment

Document Title	Purpose
UFC 3-501-01 *Electrical Engineering*, 3 Feb 2012: http://www.wbdg.org/ccb/DOD/UFC/ufc_3_501_01.pdf	Technical requirements for general aspects of facility electrical design.
UFC 3-560-01, *Electrical Safety O&M, 1* May 2012: *http://www.wbdg.org/ccb/DOD/UFC/ufc_3_560_01.pdf*	Electrical safety requirements applicable to the installation and operation of electrical systems.
UFC 3-520-01, *Interior Electrical Systems, 1 July 2012* : http://www.wbdg.org/ccb/DOD/UFC/ufc_3_520_01.pdf	Design criteria for interior electrical systems.
UFC 2-100-01, 15 May 2012, *Installation Master Planning*,: http://www.wbdg.org/ccb/DOD/UFC/ufc_2_100_01.pdf	Minimum requirements for master planning processes and products.
UFC 1-201-01, 1 January 2013, *Non-Permanent DoD Facilities in Support of Military Operations*: http://www.wbdg.org/ccb/DOD/UFC/ufc_1_201_01.pdf	Life safety and habitability-related design requirements for non-permanent facilities designed and constructed for use by Department of Defense (DoD) personnel in support of military operations.
AR 210-20, 16 May 2005, *Real Property Master Planning for Army Installations*,: http://www.rubiconplanning.com/uploads/AR-210-20-Real-Property-Master-Planning-for-Army-Installations.pdf	Defines the real property master planning concept and requirement and establishes policies and responsibilities for implementing the real property master planning process for Army communities.
MIL-HDBK-454B, 15 April 2007, Department of Defense Handbook, *General Guidelines for Electronic Equipment*, http://www.everyspec.com/MIL-HDBK/MIL-HDBK-0300-0499/MIL-HDBK-454B_9167/	Technical baseline for the design and construction of electronic equipment for the Department of Defense.
ATP 3-34.40/MCWP 3-17.7, *General Engineering*, This publication supersedes FM 3-34.400, dated 9 December 2009	Doctrine for general engineering support, a multi-service publication with the Marine Corps.
Department of the Army Pamphlet 385-26, Army Electrical Safety Program, http://www.apd.army.mil/pdffiles/p385_26.pdf	Specified safeguarding against the hazards associated with electrical energy.

Document Title	Purpose
Introduction to Electrical Conductors, Wiring Techniques, and Schematic Reading; Cable Comparison, Guide, NAVSEA 0981-052-8090; and *Design Data Book*, NAVSEA 0902-LP-006-0000	Information on electrical cable used aboard ship
Electronics Installation and Maintenance Book (EIMB), *General*, NAVSEA SE000-00-EIM-100	Manual for electronics maintenance and installation. Safety precautions concerning charging, handling, and storage of batteries.
Naval Electronics Systems Command's *Electronic Safety Handbook*, E0410-AAHBK-010/00K ELEXSAFE.	Safety handbook for electronics
Navy Electricity and Electronics Training Series, Module 19, The Technician's Handbook, http://hnsa.org/doc/neets/mod19.pdf	Reference of commonly used general information, such as electrical and electronic formulas, color coding, and naval supply system data.
Army Regulation 56-9, Watercraft, 17 March 2010.	Regulation contains rules affecting watercraft operations and policies.
Naval Ships Technical Manual (NSTM), Chapter 300	Chapter provides the necessary framework to perform work on electrical equipment in a safe manner.
MIL-E-917, *Electric Power Equipment Basic Requirements*	Basic requirements applicable to the design, materials and construction of Naval shipboard electric power equipment (exclusive of communication equipment, fire control equipment, and electronic equipment, other than that used in electric power applications).
MIL-STD-1399-300, *Electric Power – Alternating Current*, 24 April 2008 http://www.wbdg.org/ccb/FEDMIL/std1399_300b.pdf	Establishes electrical interface characteristics for shipboard equipment utilizing AC electric power to ensure compatibility between user equipment and the electric power system.
MIL-DTL-16377, *Fixtures, Lighting and Associated Parts; Shipboard Use, General Specifications for*	Covers fluorescent, incandescent lighting and solid state lighting and associated parts for detail and general illumination on Naval ships and submarines.